



MISSOURI DEPARTMENT OF NATURAL RESOURCES

Management Standards for Used Oil Burners

Technical Bulletin

9/2000

Division of Environmental Quality
Hazardous Waste Program

Used Oil

Used oil is defined as petroleum-derived and synthetic oils that have been spilled into the environment or used for lubrication/cutting oil, heat transfer, hydraulic power or insulation in dielectric transformers. Oils used as solvents and used ethylene glycol are not defined as used oil.

The Missouri Department of Natural Resources (DNR) has developed management standards for used oil that provide strong safeguards against potential types of mishandling that may occur. This technical bulletin describes the management standards for burners of off-specification used oil under 10 CSR 25-11.279, which became effective Aug. 28, 1994. The standards are designed to encourage recycling while protecting human health and the environment.

Burners of Off-Specification Used Oil

A used oil burner is a facility where used oil not meeting the specification requirements is burned for energy recovery in an industrial furnace, boiler, or hazardous waste incinerator.

Management Standards

Burners of off-specification used oil must:

- obtain an identification number from the U.S. Environmental Protection Agency (EPA) and notify them of the used oil activities;
- keep storage tanks and containers in good condition and labeled "used oil";
- keep tanks and containers that are exposed to rainfall closed at all times, except when adding or removing used oil;
- clean up used oil spills or leaks to the environment;
- store used oil in areas with oil-impervious floors;
- provide secondary containment of equal to or greater than 10 percent of the containerized volume or the volume of the largest container, whichever is greater;
- track incoming and outgoing used oil shipments;
- determine the total halogen content of used oil managed at the facility;
- keep a copy of the Transporter's Used Oil Shipment Record;
- provide to the generator, transporter, or processor/refiner a one-time written certification that the EPA has been notified of the burner's used oil activities, and that the used oil will be burned in an industrial furnace or boiler; and
- properly manage residues from storage or burning of used oil.

Space Heaters

Generators may burn their own used oil, as well as used oil received from household do-it-yourselfers and exempt farmers, in used oil-fired space heaters that have a design capacity of 0.5 million Btu or less per hour and are vented to the ambient air. Mixtures of used oil with a



hazardous waste originating from conditionally exempt small quantity generators of hazardous waste may be burned in used oil-fired space heaters, as long as the waste is hazardous solely because it exhibits the characteristics of ignitability. The department is no longer requiring resource recovery certification for this activity.

Additional Information

Technical Bulletins on the following related topics can be obtained by contacting DNR:

- Used Oil and Oily Waste Disposal
- Used Oil Generators
- Used Oil Collection Centers and Aggregation Points
- Used Oil Transporters
- Used Oil Processors and Re-refiners
- Used Oil Marketers

For more information on the Used Oil Management Standards or for copies of technical bulletins call or write:

Missouri Department of Natural Resources
Hazardous Waste Program
P.O. Box 176, Jefferson City, MO 65102-0176
1-800-361-4827 or (573) 751-3176 office
(573) 751-7869 fax
(www.dnr.state.mo.us/deq/hwp) Program Home Page

If you are using a Telecommunications Device for the Deaf (TDD), please call Relay Missouri at 1-800-735-2966.